



# SUMAN DAS

SOFTWARE ENGINEER, TECH ENTHUSIAST



[My Website](#)



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## PROFILE

I'm an India based developer with a goal-driven creative mindset and passion for learning and innovating. I have a consolidated experience of over 14 years in software development using Apache Spark, Apache Ignite, Big Data and Java/J2EE.

I have a proven experience as a module and a team leader. I have spearheaded trainings and mentored team mates to enable functional knowledge transfer and create strong teams.

I have contributed to all Software Development Lifecycle (SDLC) phases from requirements definition to successful deployment. I am currently working with J.P Morgan Chase as a 'VP'.



## CERTIFICATIONS

- AWS Certified Solutions Architect
- **CKAD**: Certified Kubernetes Application Developer
- Sun Certified Java Programmer (**SCJP**)
- Sun Certified Web Component Developer (**SCWCD**)
- JAVA EE 6 Web Services Developer
- Java EE 6 Enterprise Architect Certified Master Part (I)



## AWARDS

### First prize at Hackathon in J.P. Morgan Chase

Steered the team for the development of the idea that enabled us to win the hackathon in 2021.

### i-Appreciate at Oracle Financial Services

Awarded i-appreciate, the Certificate of Merit, **twice**, for outstanding performance in AIB and NGP projects.



## PROUD OF

### Caching Layer in Trading Application – J.P. Morgan Chase

Designed and implemented the Caching layer using Apache Ignite for Trading application in AMPM, which handles transactions worth one third of the world GDP.

### Multi-tenant Architecture – Fractal Analytics

Designed, coded and deployed in Production, high performance multi-tenant cloud-agnostic data API layer using Apache Spark and Big Data technologies.

### Batch Processing Framework – Oracle Financial Services

Designed and coded the highly scalable Batch Processing Framework for OBP to process millions of end-of-day transactions in batches. Batch Framework can process 50 million accounts in less than 5 hours.

### Covid 19 Bot named Covid-India Bot - Self

Created an open-source bot for querying India-level information about Coronavirus (COVID-19) cases and availability of vaccination slots.



## SKILLS

Java/J2EE	★★★★★	RDBMS	★★★★★
AWS	★★★★★	Kubernetes	★★★★★
Docker	★★★★★	Spring Boot	★★★★★
Apache Ignite	★★★★★	Apache Spark	★★★★★
Azure	★★★★★	Mongo	★★★★★
Big Data	★★★★★	HD Insight	★★★★★
Hibernate	★★★★★	ElasticCache	★★★★★
Python	★★★★★	GCP	★★★★★

## EDUCATION

### **B.E. (Bachelor of Engineering)**

Electronics & Telecommunications  
Pune University with Distinction

### **H.S.C. and S.S.C.**

D.A.V Public School  
CBSE board with First class

## MY INTERESTS

Outside work, I occasionally blog on [Medium](#) and from time to time I contribute to [Stackoverflow](#).

Am always intrigued by emerging IT technologies, and I keep learning and experimenting.

Apart from IT, I love to watch and play football and cricket.

## WORK EXPERIENCE

### **JP Morgan Chase**

VP

 Jan 2020 – till date

### **Fractal Analytics**

Senior Software Engineer

 July 2016 – Dec 2019

### **MSCI**

Senior Associate

 Oct 2016 – Jun 2016

### **Oracle Financial Services Software**

Senior Applications Engineer

 Apr 2007 – Sep 2013

## CAREER HIGHLIGHTS

- **Skilled in Cloud Infrastructure, such as AWS, Azure and GCP.**
- Redesigned monolithic applications to server-less architecture using AWS Lambda and API Gateway, which reduces the cost and improves scalability.
- Designed, coded and deployed in Production ETL Pipeline using Apache Spark and Big Data technologies.
- Built the authentication and authorization security layer into Cuddle.ai product using Spring Security, OAUTH and JWT. Also, enabled SSL in Kubernetes using cert-manager.
- Designed the Interest module for OBP, which is currently deployed in Production and handles millions of transactions per day. It handles the interest processing for Savings, Term Deposits, and Loan accounts. Introduced methodologies and best practices that have led to the interest processing of accounts being performed in less than 40 milliseconds.
- Performed Product Benchmarking (Stress Testing) on Release 2.1 of Oracle Banking Platform on Exalogic & Exadata hardware at Oracle Labs in USA.